

ADITYA BIRLA



HINDALCO

Ref. No. Env/ES/ 075  
The Member Secretary,  
U.P. Pollution Control Board,  
T.C.-12V, Vibhuti Khand,  
Gomti Nagar  
**LUCKNOW (U.P.) – 226 010**

Date: 25.09.2018

**Sub: Environmental Statement for FY: 2017 – 18**

Dear Sir,

Enclosed herewith please find Environmental Statement of our Plant for the financial year ending 31<sup>st</sup> March, 2018 in Form -V for your information and kind perusal please .

Hope, you will kindly find the same in order.  
Thanking you,

Yours faithfully,  
For HINDALCO INDUSTRIES LIMITED  
(Renusagar Power Division)

*h*  
*h*  
(Lalit Mohan Pal)  
Head(Safety & Env)

Encl: As above.

CC: The Regional Officer,  
Regional Office  
U.P. Pollution Control Board,  
House no. 162, 1 st Floor  
Uttar Mohal,  
**Robertzganj (U.P.)**

CC: The Cess Officer,  
U.P. Pollution Control Board,  
Picup Bhawan, Vibhuti Khand,  
'B' Block, 3rd Floor  
Gomti Nagar,  
**LUCKNOW (U.P.) 226 010**

CC: The Director,  
Ministry of Environment Forests & Climate Change  
Kendrya Bhawan, 5th Floor  
Sector-H, Aliganj,  
**Lucknow-UP-226024**

Hindalco Industries Limited

Renusagar Power Division, P.O. Renusagar 231 218, District: Sonbhadra, Uttar Pradesh, India  
T: +91 5446 278592-95, 277161-63 | F: +91 5446 278596 / 277164 | E: hindalco@adityabirla.com | W: www.hindalco.com  
Registered Office : Ahura Centre, 1st Floor, B-Wing, Mahakali Caves Road, Andheri (East), Mumbai 400 093, India  
T: +91 22 6691 7000 | Fax: +91 22 6691 7001  
Corporate ID No. : L27020MH1958PLC011238

**FORM-V**  
**(See Rule 14)**

**Environmental Statement for the Financial Year ending the 31st March 2018**

**PART-A**

i	Name and address of the Owner/Occupier of the industry, operation or process.	Lalit Mohan Pal Head(Safety & Env.) HINDALCO INDUSTRIES LIMITED (Renusagar Power Division) P.O. Renusagar Dist.Sonebhadra(U.P.)
ii	Industry category Primary-(STC Code) Secondary-(STC Code)	Category 17 Primary
iii	Production Capacity-Units	Electricity Generation-828 MW
iv	Year of Establishment	1967
v	Date of last Environmental Statement submitted	23.09.2017

**PART-B**

**Water and Raw Material Consumption**

i	Water consumption M <sup>3</sup> /day	*54850.671 KL/Day
	Process	1584.159 KL/Day
	Cooling	44347.586 KL/Day
	Domestic	8918.926 KL/Day

\*Excluding reuse water

Name of Products	Process water consumption per unit of product output	
	During the previous financial year : (2016 - 2017)	During the current financial year (2017 - 2018)
	(1)	(2)
1.Electricity	20.08 Gal/MWh	18.80 Gal/MWh

ii **Raw Material Consumption**

Name of raw materials	Name of Products	Consumption of raw material per unit of output	
		During the previous financial year (2016 - 2017)	During the current financial year (2017 - 2018)
	<b>Electricity</b>		
Coal		0.732 kg/KWh	0.695 kg/KWh
Water		643.217 Gal/MWh	651.073 Gal/MWh
HSD		0.414 ml/KWh	0.349 ml/KWh
Furnace Oil(HFO)		0.002 ml/KWh	0.021 ml/KWh
Oil&Lubricants		0.015 litre/MWh	0.015 litre/MWh
Grease		1.380 gram/MWh	1.042 gram/MWh

\* Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw materials used.

**PART-C**

**Pollution discharged to Environment/unit output  
(Parameter as specified in the consent issued)**

(1)	Pollutants	Quality of Pollutants discharged (mass/day)	Concentration of Pollutants discharged ( mass/volume)	Percentage of variation from prescribed standards with reasons
(a)	Water (Maximum permissible quality)	28,650 KL/Day (No discharge, entire quantity recycled & reused )	<b>Sewage Treatment Plant</b> pH :7.8 - 7.2 TSS:47.9 - 42.2mg/litre BOD:9.2 - 8.2 mg/litre COD:37.1- 38.0 mg/litre Oil & Grease:0.9 -0.8 mg/litre Iron(as Fe):0.3 - 0.18 mg/litre Fluoride(as F):0.8 - 0.7 mg/litre <b>Effluent Treatment Plant</b> pH :8 - 7.8 TSS:44.5 - 58.6 mg/litre BOD:5.8 - 7.2 mg/litre COD: 40.7 - 55.0 mg/litre Oil & Grease:0.6- 0.7 mg/litre Iron(as Fe):0.02 - 0.18 mg/litre Fluoride(as F): 1.3 - 1.27 mg/litre	Not exceeding the permissible limit.
(b)	Air	0.82 tonnes/day/Boilers. (Approx.) (Total 10 Numbers of Boilers)	PM (mg/Nm <sup>3</sup> ) Annual Average. -92.831	Not exceeding the permissible limit.

**PART-D**

**HAZARDOUS WASTES**

(As under [Hazardous Waste & other waste (Management & Transboundary Movement) Rule, 2016])

	Hazardous waste	Total Quantity (Kg)	
		During the previous financial year (2016 - 2017)	During the current financial year (2017 - 2018)
1	From Process (Used Oil)	*46570 kg	*35314 kg
2	From Pollution control Facilities	Nil	Nil

\* Used Oil sent to Authorised Recyclers for recycling.

**PART-E**

**SOLID WASTES**

	Solid wastes	Total Quantity			
		During the previous financial year (2016 - 2017)		During the current financial year (2017 - 2018)	
		Fly ash & Bottom ash (MT)	Coal mill rejects (MT)	Fly ash & Bottom ash (MT)	Coal mill rejects (MT)
a	From Process	1761415	7651.40	1584999	4534.48
b	From Pollution control Facilities	1758422		1582006	
c(1)	Quantity recycled or reutilized within the unit.	9.06% (Fly ash)	Back filling of low lying areas.	0.93 % (Fly ash)	Back filling of low lying areas.
(2)	Sold	Nil	Nil	Nil	Nil
(3)	Disposed	Bottom ash to Ash Pond. Fly ash supplied to cement companies		Bottom ash to Ash Pond. Fly ash supplied to cement companies	

Overall Quantity of ash utilized in the Financial Year 2017-18 - 56.76 %

